

Power Cost Memorandum Fuel Cost Update

Date: December 17, 2020

Utility Name (Cert. No.) Arctic Village Electric (747)	Utility File No. PC65-0116LL	Date Filed: November 5, 2020
--	--	--

PCE AMOUNT SUMMARY	Previously Approved PC65-0116KK	Staff Recommended Amount(s) and Effective Date PC65-0116LL
Class Rate	<u>Date Approved:</u> October 2, 2020	December 18, 2020
Residential	\$ 0.7540	\$ 0.7540
Community Facilities	\$ 0.7540	\$ 0.7540
<input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent		

Prior Fuel Purchase Price: \$ 4.7300	New Fuel Purchase Price: \$ 4.6710
<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted	<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted
Delivery Charge: <u>n/a</u>	Surcharge Change: Previous <u>n/a</u> Updated <u>n/a</u>

Weighted Average Fuel Price/Gal. Calculation					
	Gallons		Price		
On-Hand before Deliv,	500	X	4.7300	=	\$2,365
Delivered	8,721	X	4.6676	=	40,704
	<u>9,221</u>				<u>\$43,069</u>
					Weighted Average \$ 4.6710

Signed: Brenda Cox
Brenda Cox

Utility Financial Analyst

Commission decision re. this recommendation :

	Date (if different from 12/17/20)	I CONCUR	I DO NOT CONCUR	I WILL WRITE A DISSENTING STATEMENT *
Pickett		<u>RMP</u>		
McAlpine		<u>SM</u> SM		
Scott		<u>AGS</u> AGS		
Sullivan		<u>JS</u> JS		
Wilson		<u>JW</u> JW		

Special Instructions to Staff:

* If this column is initialed, Staff will contact the Commissioner for the statement, otherwise, dissent will simply be noted at the close of the By Direction Letter or Order.

Arctic Village Electric

POWER COST EQUALIZATION CALCULATION
FOR TEST PERIOD ENDING September 30, 2015
Fuel Cost Update

	PC65-0116KK		PC65-0116LL
	Prior Commission Approval	Utility Request	Staff Recommended
A. Total kWh Generated	*226,173	*226,173	*226,173
B. Total kWh Sold (Appendix 2)	330,401	330,401	330,401
C. Total Non-Fuel Costs (Appendix 2)	121,966	121,966	121,966
D. Non-Fuel Cost/kWh (C / B)	\$0.3691	\$0.3691	\$0.3691
E. Total Fuel Costs (Appendix 2)	220,255	217,509	217,509
F. Fuel Costs/kWh (E / B)	\$0.6666	\$0.6583	\$0.6583
G. Eligible Costs/kWh (D + F)	\$1.0358	\$1.0275	\$1.0275
H. Eligible Cost/kWh (G) less base rate in effect	\$0.8295	\$0.8212	\$0.8212
I. Lesser of (H) or 79.37 cents/kWh	\$0.7937	\$0.7937	\$0.7937
J. Average Class Rates (Appendix 3)			
Residential	\$0.7937	\$0.7937	\$0.7937
Community Facilities	\$0.7937	\$0.7937	\$0.7937
Class Power Cost Equalization Per kwh Payable			
K. Lesser of: (I) x 95% or (J)			
Residential	\$0.7540	\$0.7540	\$0.7540
Community Facilities	\$0.7540	\$0.7540	\$0.7540
L. Funding Level in Effect	100%	100%	100%
Residential	\$0.7540	\$0.7540	\$0.7540
Community Facilities	\$0.7540	\$0.7540	\$0.7540

* kWh Generated was missing for November 2014 through March 2015.

Arctic Village Electric

SCHEDULE OF ELIGIBLE POWER COSTS, SALES, AND EFFICIENCY
FOR TEST PERIOD ENDING September 30, 2015
Fuel Cost Update

			PC65-0116KK	PC65-0116LL	
			Prior Commission Approval	Per Utility	Staff Recommended
Non-Fuel Costs:					
A.	Personnel Costs		69,569	69,569	69,569
B.	Operating Expenses		8,774	8,774	8,774
C.	General & Administrative		31,032	31,032	31,032
D.	Depreciation & Amortization		10,282	10,282	10,282
E.	Interest Expense		2,309	2,309	2,309
F.	Other (Describe)		0	0	0
G.	Total Non-Fuel Costs		\$121,966	\$121,966	\$121,966
Fuel Costs:					
H.	Gallons Consumed for Electric Generation		46,566	46,566	46,566
I.	Price of Fuel:(per gallon) Weighted Average		\$4.7300	\$4.6710	\$4.6710
J.	Total Fuel Costs (lx H)		\$220,255	\$217,509	\$217,509
K.	kWh Generated		*226,173	*226,173	*226,173
L.	kWh Sales		330,401	330,401	330,401
M.	kWh Station Service		Not Reported	Not Reported	Not Reported
N.	Efficiency	≥	<u>Standard</u> 11.5		
	(kWh generated /gallons consumed)		N/A	N/A	N/A
O.	Line Loss	≤	12%		
	(kWh Generated -(kWh Sold + Station Service))/ kWh Generated		N/A	N/A	N/A

* kWh Generated was missing for November 2014 through March 2015.

PC65-0116LL
Appendix 2

Arctic Village Electric

For the Test Period Ending September 30, 2015

Calculation of Average Class Rate per kWh

Rate Schedule: Residential

(1) kWh by Block	(2) Rate (\$/kWh)	(3) Surcharge If Applicable (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - 0.2063 /kWh
500	1.0000	0.0000	1.0000	500.00	1.0000	0.7937
500				500.00	1.0000	0.7937
TOTAL (A)						(E)

Rate Schedule:

(1) kWh by Block	(2) Rate (\$/kWh)	(3) Surcharge If Applicable (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - 0.2063 /kWh
500		0.0000	0.0000	0.00	0.0000	
500				0.00	0.0000	
TOTAL (A)						(E)

Computation of Community Facilities Average Rate

Rate Schedule: Community Facilities

	(A) Rate (\$/kWh)	(B) Surcharge If Applicable (\$/kWh)	(C) Total Rate (\$/kWh) (A+B)	(7) Avg. Rate (\$/kWh) - 0.2063 /kWh
0 to ∞	1.0000	0.0000	1.0000	0.7937
Next to				
Next to				
Next to				
Next to				

Arctic Village Electric

Fuel Purchases

	Delivery Date	Gallons	Cost per Gallon	Delivery/ Mark-Up per Gallon	Total Cost
Beginning Fuel Inventory		500			
Last Approved Fuel Cost/Gal.			\$ 4.7300		
Beginning Fuel Inventory in Gallons X Last Approved Fuel Cost/Gal. = Beginning Fuel Inventory Cost -					\$ 2,365
Reporting Period Purchases	09/21/20	4,360.1	4.5176		19,697
	10/27/20	4,360.5	4.8176		21,007
					-
					-
					-
					-
					-
					-
					-
					-
					-
					-
					-
					-
Totals for Reporting Period					
Purchases on this sheet:		8,721			40,704
Delivered Weighted Average		\$4.6676			
Grand Totals (beginning inventory plus purchases) A		9,221		B \$	43,069

Grand Total Cost (B) divided by Grand Total Gallons (A) = 4.6710 Weighted Avg. Cost per gal

Signature: Robert M. Pickett
 Email: bob.pickett@alaska.gov

Signature: Stephen McAlpine
Stephen McAlpine (Dec 17, 2020 08:46 AKST)
 Email: stephen.mcalpine@alaska.gov

Signature: Antony Scott
Antony Scott (Dec 17, 2020 09:14 AKST)
 Email: antony.scott@alaska.gov

Signature: Daniel Sullivan
Daniel Sullivan (Dec 17, 2020 10:28 AKST)
 Email: daniel.sullivan@alaska.gov

Signature: Jan Wilson
Jan Wilson (Dec 17, 2020 16:44 AKST)
 Email: janis.wilson@alaska.gov